

**ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY
MONITORING REPORT FOR DECENTRALIZED WASTEWATER TREATMENT FACILITIES VIA DRIP IRRIGATION
MONTHLY MONITORING REPORT**

PERMITTEE NAME
Legacy Estates Homeowners Association Inc

FACILITY NAME (IF DIFFERENT)
Legacy Estates Wastewater Treatment Facility

PERMIT NO.
4890-WR-2

PERMITTEE ADDRESS
PO Box 8835
Fayetteville AR 72702

FACILITY ADDRESS
13158 Randolph Rd
Tontitown AR

AFIN NO.
72-01642

WASTEWATER EFFLUENT MONITORING PERIOD

MM/DD/YYYY		MM/DD/YYYY
9/1/2020		9/30/2020

TREATED WASTEWATER EFFLUENT SAMPLING

PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	0.274,230	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum	REPORT	0.012,565	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	15	< 2.0	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	15	5.8	mg/l		
Fecal Coliform Bacteria (FCB)	2,000	< 5.0	colonies/100ml		
pH	6.0 - 9.0	7	s.u.		
Total Phosphorus (TP)	REPORT	3.49	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT		mg/l	Grab sample once per quarter	
Ammonia Nitrogen	REPORT		mg/l		
Nitrate Nitrogen (NO ₃ -N) + Nitrite Nitrogen (NO ₂ -N)	REPORT		mg/l		
Plant Available Nitrogen (PAN)	REPORT		mg/l		
Loading Rate	REPORT	See Attached	gpd/ft ²	Daily	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Kathy Bartlett TYPED OR PRINTED	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.	<i>Kathy Bartlett</i>	TELEPHONE (479) 530-5926	DATE 10/15/2020
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)

August 2020 LEGACY ESTATES

PERMIT # 4890-WR-2

MAXIMUM DAILY FLOW GPD

12,565

ZONE IDENTIFICATION

LOADING RATE BY ZONE

A 1	1025
B 1	1086
C 1	988
D 1	1142
E 1	1442
F 1	1055
G 1	926
H 1	948
I 1	1028
J 1	1081
K 1	1057
L 1	786

Environmental Services Company, Inc.

Corporate Office
 13715 West Markham
 Little Rock, AR 72211
 Tel. (501)221-2565 Fax (501)221-1341

Northwest Arkansas Branch
 1107 Century Avenue
 Springdale, AR 72762
 Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2009020079
 Customer Name : LEGACY UTILITY, LLC
 Customer/Permit No. : 2440 / 4890-WR-2 N/A
 Report Date : 09/23/20

Sample Date : 09/17/20
 Sample Time : 1630
 Sample Type : GRAB
 Sample From : EFFLUENT

Collected By: TWM
 Delivery By : TWM
 Work Order :
 Purchase Order :

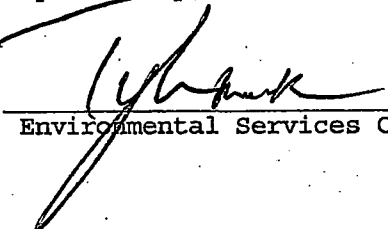
Laboratory Analysis

<u>Analysis</u>						<u>Quality Assurance</u>			
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u>	<u>Accuracy</u>
								<u>% RPD</u>	<u>% Recovery</u>
09/17	1630	TWM	pH	7.0	S.U.		SM 2011 4500-H+ B	0.00	N/A *
09/21	1000	HNS	Phosphorous, Total (as P)	3.49	mg/L		EPA 365.3	0.97	103.0 *
09/21	1400	HNS	Solids, Total Suspended	5.8	mg/L		SM 2011 2540 D	0.00	N/A *
09/17	1745	HNS	Fecal Coliform (MPN/100mL)	< 5.0	/100mL		06/2012 Colilert18	0.00	N/A *
09/18	1430	TWM	BOD, Carbonaceous	< 2.0	mg/L		SM 2001 5210 B	0.00	98.0

* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included.

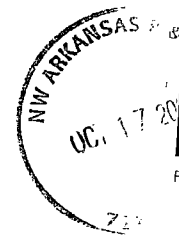
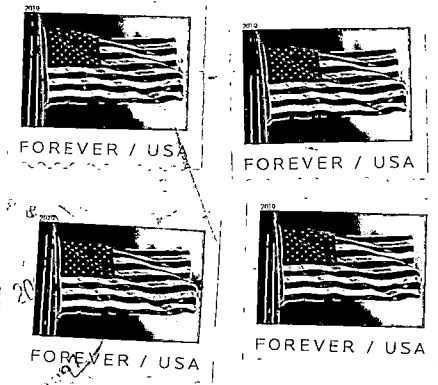
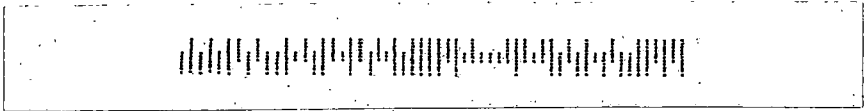
Signature _____




Environmental Services Co., Inc.

RSW

274230
 12565



 ***NWA Utility Services Inc***
PO Box 9299
Fayetteville, AR 72703

ADEQ
WATER DIVISION/PERMITS BRANCH
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N Little Rock, AR 72118-5317